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TO THE HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

THE TWENTY-EIGHTH LEGISLATURE
REGULAR SESSION OF 2015

TUESDAY, FEBRUARY 3, 2015
8:30 a.m.

TESTIMONY OF JEFFREY T. ONO, EXECUTIVE DIRECTOR, DIVISION OF
CONSUMER ADVOCACY, DEPARTMENT OF COMMERCE AND CONSUMER
AFFAIRS, TO THE HONORABLE CHRIS LEE, CHAIR,
AND MEMBERS OF THE COMMITTEE

HOUSE BILL NO. 623 - RELATING TO RENEWABLE STANDARDS

DESCRIPTION:

This measure proposes to define “large self-generator;” increase Hawaii’s Renewable Portfolio Standards (“RPS”) to 70 percent by December 31, 2035 and 100 percent by December 31, 2040, unless the acquisition of renewable energy is not beneficial to Hawaii’s economy; establish renewable standards for large self-generators and subject large self-generators to applicable renewable standards; proposes to clarify and establish events or circumstances that are outside of an electric company’s or large self-generator’s reasonable control; establish large self-generator reporting requirements to the Public Utilities Commission (“PUC”) and require the PUC to report on cost-effectiveness of RPS to address the impact on renewable energy developer energy prices.

POSITION:

The Division of Consumer Advocacy supports the intent of this bill and offers the following comments.

COMMENTS:

The Division of Consumer Advocacy supports the integration of increasing levels of renewable energy and acknowledges the benefits of “stretch” goals in order to encourage action.

Hawaii Revised Statutes § 269-95 requires the PUC to provide a report to the Legislature every five years on the Commission’s evaluation of the RPS and whether the standards remain effective and achievable. The Commission will produce studies, such as the one recently conducted by General Electric (“GE”), which suggest that it is *possible* that Hawaii will be able to meet its 40% RPS goal if certain challenges and uncertainties are addressed. The GE study also suggests that greater levels of renewable energy may be possible, but these higher levels of renewable energy are associated with measures that need to be further evaluated (e.g., interisland electric transmission cable, renewable energy projects at sites where communities have already expressed objection). The GE study would suggest that we should proceed cautiously when attempting to set higher RPS goals that go beyond 2030.

On the other hand, Hawaiian Electric Co.’s Power Supply Improvement Plans (“PSIPs”) filed with the PUC on August 26, 2014, indicated that Hawaiian Electric would not only meet the 40 percent RPS by 2030, but it could reach a 65 percent RPS even without an undersea transmission cable. Although the PSIPs have not yet been fully vetted in the PUC proceeding, Hawaiian Electric’s analysis of reaching a 65 percent RPS by 2030 would suggest that even higher RPS goals beyond 2030 are achievable.

The Consumer Advocate supports the intent of this bill to have the State’s electric utilities adopt higher RPS goals beyond 2030. Furthermore, the Consumer Advocate supports the provision in this bill that defines “large self-generator” and applies the RPS standard to such large self-generators.

Thank you for this opportunity to testify.

TESTIMONY OF RANDY Y. IWASE
CHAIR, PUBLIC UTILITIES COMMISSION
STATE OF HAWAII
TO THE
HOUSE COMMITTEE ON
ENERGY & ENVIRONMENTAL PROTECTION

FEBRUARY 3, 2015
8:30 a.m.

MEASURE: H.B. No. 623

TITLE: Relating to Renewable Standards

Chair Lee and Members of the Committee:

DESCRIPTION:

This measure seeks to extend the existing renewable portfolio standards (“RPS”) to 70% of an electric utility’s net electricity sales by the end of 2035 and 100% of an electric utility’s net electricity sales by the end of 2040. This measure also seeks to establish an RPS for non-utility “large self-generators”. “Large self-generators” would be subject to Public Utilities Commission (“Commission”) regulation and penalties.

POSITION:

The Commission offers the following comments for the Committee’s consideration.

COMMENTS:

The Commission takes no position on the language that extends existing RPS benchmarks for electric utilities. However, the Commission is concerned with the language that establishes RPS benchmarks for “large self-generators”. The jurisdiction of the Public Utilities Commission has always been limited exclusively to public utilities. “Large self-generators”, as defined by this measure, could include both utility customers and off-grid entities. Expanding the Commission’s jurisdiction may require additional staffing and funding.

Thank you for the opportunity to testify on this measure.



DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

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DAVID Y. IGE
GOVERNOR

LUIS P. SALAVERIA
DIRECTOR

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DEPUTY DIRECTOR

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Statement of
LUIS P. SALAVERIA
Director
Department of Business, Economic Development, and Tourism
before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

AMENDED 1/31/15

Tuesday, February 3, 2015
8:30a.m.
State Capitol, Conference Room 325

in consideration of
HB 623 RELATING TO CLEAN ENERGY.

Chair Lee, Vice Chair Lowen, and Members of the Committee.

The Department of Business, Economic Development, and Tourism (DBEDT) respectfully offers comments on HB 623, which requires the electric utility companies to develop a Renewable Portfolio Standard (RPS) goal of 70% and 100% for 2035 and 2040 respectively and the Public Utilities Commission (PUC) to investigate the feasibility of updating and extending the RPS requirements to include large self-generators.

DBEDT supports the purpose of this bill to achieve total energy independence for Hawaii and reiterates the Administration's intent to achieve a 100% renewable energy portfolio in the electricity sector. DBEDT asserts, however, that immediate actions and investments by the electric utilities to achieve bold goals over the next 5 to 15 years will drive the growth of the renewable market in Hawaii, and this measure does not address an accelerated schedule from today to go beyond 40% renewable by 2030. We point out that Hawaii is nearly 5% beyond its interim 2015 goals and Hawaiian Electric Industries (HEI) Companies has charted a Preferred

Plan that achieves 67% renewable by 2030 in its recent Power Supply Improvement Plan. We are working with the HEI Companies on setting a more optimal path from the ratepayer perspective to get there, but we agree with the RPS target of the HEI Companies' Preferred Plan. Accordingly, I have directed the Administrator of the State Energy Office to convene energy stakeholders in the coming weeks to chart such an accelerated renewable path as a key objective of the Ige Administration.

The Hawaii RPS has been the glue for binding a common resolve among energy stakeholders in our quest for energy independence. The RPS has helped grow Hawaii's clean energy economy while offsetting higher electricity rates by methodically backing out the volatility of oil which provides immediate and long term benefits to ratepayers. Clearly, Hawaii is capable of going well beyond 40% renewable by 2030 and we would not recommend changes to the RPS unless it reflected the urgency of near term action to accelerate and increase our progress on Hawaii's energy transformation.

Thank you for the opportunity to offer these comments.



Directors

Jody Allione
Project Development
Consultant

Joe Boivin
Hawaii Gas

Kelly King
Pacific Biodiesel

Warren S. Bollmeier II
WSB-Hawaii

TESTIMONY OF WARREN BOLLMEIER ON BEHALF OF THE
HAWAII RENEWABLE ENERGY ALLIANCE BEFORE THE
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

HB 623, RELATING TO RENEWABLE STANDARDS

February 3, 2015

Chair Lee, Vice-Chair Lowen and members of the Committee, I am Warren Bollmeier, testifying on behalf of the Hawaii Renewable Energy Alliance (HREA). HREA is an industry-based, nonprofit corporation in Hawaii established in 1995. Our mission is to support, through education and advocacy, the use of renewables for a sustainable, energy-efficient, environmentally-friendly, economically-sound future for Hawaii. One of our goals is to support appropriate policy changes in state and local government, the Public Utilities Commission and the electric utilities to encourage increased use of renewables in Hawaii.

The purposes of HB 623 are to: (i) define "large self-generator"; (ii) increase renewable portfolio standards to 70 per cent by 12/31/2035 and 100 per cent by 12/31/2040, unless the acquisition of renewable energy is not beneficial to Hawaii's economy; (iii) establish renewable standards for large self-generators; (iv) subject large self-generators to applicable renewable standards; (v) clarify and establish events or circumstances that are outside of an electric company's or large self-generator's reasonable control; (vi) establish large self-generator reporting requirements to the public utilities commission; and (vii) require the public utilities commission to report on cost-effectiveness of renewable portfolio standards to address the impact on renewable energy developer energy prices.

HREA **strongly supports** this measure with the following comments and recommendations.

- 1) Energy Independence. It is clear to us that we would not have reached our current level of renewables in Hawaii if we had not mandated it. Thus, if we are to reach a RPS of 100%, we need to mandate it, and now is the time. This is our "moon shot".
- 2) Cost-Effectiveness Issues. We agree that accomplishment of the RPS goals should be accomplished in a manner that is beneficial to Hawaii's economy in relation to comparable fossil fuel resources (p.7, l: 10-15 of this measure). Given consensus on the overall costs and benefits of renewables, this task would be easier. While such consensus does not exist at the present time, HREA is hopeful that a study sponsored by the Hawaii Energy Policy Forum and currently underway will provide results and recommendations that will encourage meaningful discussion that will lead to consensus on the costs and benefits of renewables.
- 3) Recommendations: Please pass out this measure.

Mahalo for this opportunity to testify.

EEPttestimony

From: Mattson Davis <mattson@konabrewingco.com>
Sent: Monday, February 02, 2015 8:05 AM
To: EEPttestimony
Subject: support SB 715

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Mahalo,
Stefanie Gubser
Administrative Coordinator to the Managing Director
Stefanie.Gubser@KonaBrewingCo.com

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Craft Brew Alliance, LLC
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O: (808)334-1133 xt.4217
F: (808)329-6681



EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 8:07 AM
To: EEPtestimony
Cc: leslie.cole-brooks@hsea.org
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Leslie Cole-Brooks	Hawaii Solar Energy Association	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov



HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 3, 2015, 8:30 A.M., Room 325

(Testimony is 4 pages long)

TESTIMONY IN STRONG SUPPORT OF HB 623

Chair Lee, Vice-Chair Lowen, and members of the Committee:

The Blue Planet Foundation strongly supports HB 623, establishing in the long-term vision for energy in Hawai'i. The State of Hawai'i has established energy goals reflected in its Renewable Portfolio Standards ("RPS"). Those goals, set forth by the legislature in 2009 with Act 155, include generating 40% of our power from renewable energy by 2030. However, we could face a scenario of producing 60% of our energy from fossil fuels in 2030 and indefinitely beyond. Indeed, Act 155 expressly acknowledged that it provided only a "first step in aligning Hawai'i's energy policy laws with the State's energy goals." House Bill 623 is the "next step" and reflects the potential for energy leadership and vision by the legislature.

HB 623 improves the current renewables standards statute in three ways:

- (1) Establishing, for the first time, energy targets for beyond 2030;
- (2) Empowering the PUC to waive compliance with those targets, if utilities are unable to "acquire sufficient renewable electrical energy to meet the 2035 and 2040 renewable portfolio standard goals in a manner that is beneficial to Hawaii's economy in relation to comparable fossil fuel resources"; and
- (3) Ensuring that large self-generators (larger than ½ megawatt) must comply with the same renewable standards as electric utilities.

For the following reasons, Blue Planet supports all three of these changes.

(1) Post-2030 Energy Targets are Necessary, Cost-Effective, and Achievable, for the Protection of Hawaii and Hawaii's Consumers.

The current renewable standards are proving to be a success in protecting Hawaii's consumers and the environment. **According the Public Utilities Commission, utility renewable energy saved ratepayers saved \$66.8 million in 2012.**¹ Furthermore, the more renewable energy

¹ See State of Hawaii PUC, Report to the 2014 Legislature on the PUC's Review of Hawaii's Renewable Portfolio Standards, at 17.

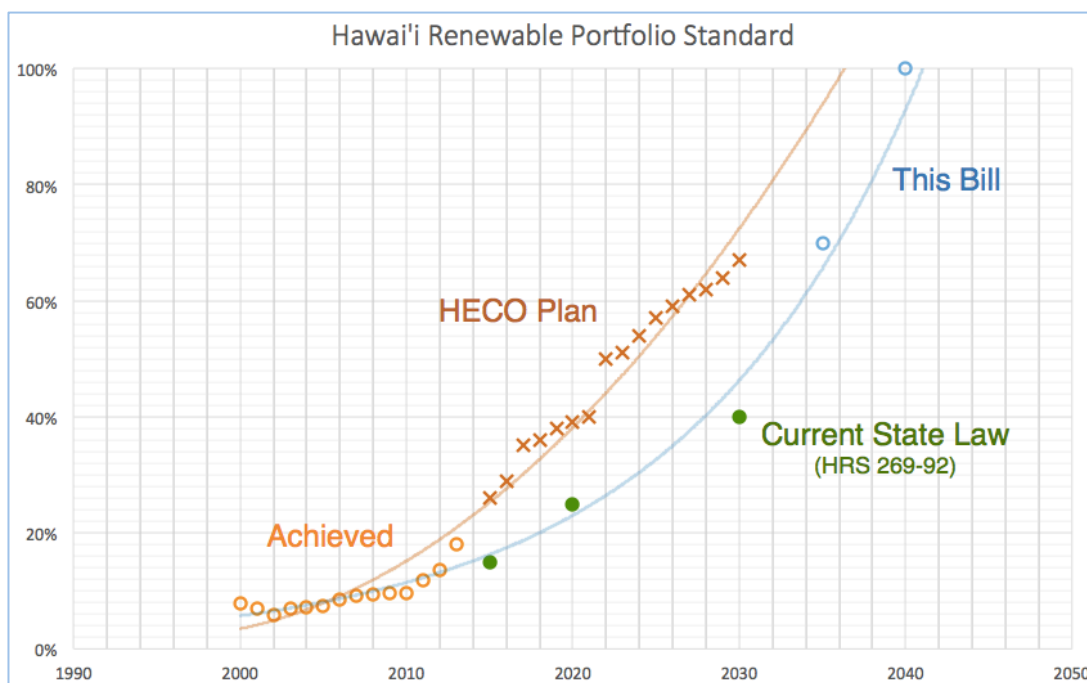
used on each island, the more that ratepayers saved.² For example, ratepayers saved 15% on the island of Hawaii (with the most renewable energy) and 7% on Maui (with the second most renewable energy). More recently, the proportion of renewable energy on each island has increased even further.

In addition to being cost-effective, post-2030 energy targets are achievable. Other islands around the world, such as Iceland (geothermal), El Hierro (wind), and Tokelau (solar) have *already* taken the steps necessary to achieve clean energy independence. Other places are also working to implement RPS standards that would *far exceed* Hawaii's existing targets:

- The Governor of Vermont has proposed a 90% RPS, supported by an economic analysis by the state energy office.
- The Prime Minister of Aruba has committed to 100% renewable energy by 2020.
- Germany, Denmark, and Scotland all have renewable energy targets that exceed Hawai'i's.

Such efforts are proving that energy innovation is achievable and affordable. Our state, which is especially burdened by its dependence on imported fossil fuels, should not fall behind.

The following chart shows Hawaii's current renewable energy progress, the existing RPS requirements, the HECO Companies' proposed renewable plan, and the targets proposed in HB 623. Note that the trend mandated by HB 623 is *less aggressive* than the trend that would be set by the HECO Companies' proposed plans.



² *Id.*

The targets in HB 623 are also consistent with the latest in engineering analysis. Engineers from Stanford University and U.C. Davis recently reported that “there are no technological or economic barriers to converting the entire world to clean, renewable energy sources. ... It is a question of whether we have the societal and political will.”³ Their work was premised on a goal that by 2030 all new energy generation would come from renewable sources, and that by 2050 all pre-existing energy production would be converted. The analysis also found that costs would be comparable to today’s energy costs. Critically, this means that strong energy policy can hedge against rising fossil fuel prices

Put simply, 2030 is not the end of our energy road. We must ensure that today’s energy decisions are being made with appropriate long-term policy guidance. **We cannot allow long-term utility investments that would lock us into a fossil fuel paradigm persisting long after 2030 passes.** Indeed, that is exactly the situation Hawai‘i faces now, heavily reliant on an aging fossil-based energy system because of decisions made long ago. For example, Oahu is still partially powered by a 68-year-old oil-powered generating unit at the Waiau power plant (built in 1947). The future is bright... if we avoid repeating past mistakes.

(2) HB 623 Strengthens PUC Oversight of Renewable Energy Targets.

Under the current RPS statute, the PUC may waive or extend compliance with RPS targets for numerous reasons, such as weather, natural disasters, mechanical failure, strikes, and “Inability to acquire sufficient cost-effective renewable electrical energy.”⁴ HB 623 adds another factor: “inability to acquire sufficient renewable electrical energy to meet the 2035 and 2040 renewable portfolio standard goals **in a manner that is beneficial to Hawaii’s economy in relation to comparable fossil fuel resources.**” In addition, the PUC is empowered to review the RPS targets every five years to ensure that they remain “effective and achievable.”⁵ This review includes an analysis of “impact on consumer rates.”⁶ HB 623 strengthens this review, to include “the impact of renewable energy portfolio standards, if any, on the energy prices offered by renewable energy developers.”

Together, these changes confirm and strengthen the PUC’s oversight and its power to ensure that renewable energy targets are beneficial for Hawaii’s consumers.

³ See Jacobsen & Delucchi, *Providing all global energy with wind, water, and solar power*, 39 ENERGY POLICY 1154 (2011); see also <http://news.stanford.edu/news/2011/january/jacobson-world-energy-012611.html>.

⁴ See H.R.S. § 269-92, -94.

⁵ See H.R.S. § 269-95.

⁶ *Id.*

(3) HB 623 Imparts Fairness, by Ensuring that All Large Electricity Generators Must Meet the Same Renewable Standards as Electric Utilities.

It is widely recognized that “grid departure” by the utilities’ largest customers would leave smaller businesses and residents paying more for the electric grid. Thus, energy policy should seek ways to promote a system that integrates large self-generators to support the grid. The system benefits go beyond economics, however. Keeping large customers plugged in to the grid enables more opportunities for load shifting and demand response, energy storage, and greater resiliency from distributed energy sources.

The detrimental impact of large off-grid customers would be worsened if these off-grid large generators make long-term investments tied to 100% fossil fuels. In the interest of fairness, and to promote a policy that supports the electric grid, HB 623 requires that large self-generators (more than half a megawatt) meet the same renewable standards as the utility. Without such a requirement, two adjoining properties might have two completely different standards. For example, one Waikiki hotel that is a utility customer may be using 40% renewable energy from the grid, while the off-grid hotel next store uses 0% renewable (100% fossil). Ensuring everyone plays by the same rules is a fair and sensible energy policy.

(4) HB 623 is the Right Thing to Do.

In light of the enormous questions currently facing Hawaii’s energy infrastructure and ownership, our state urgently needs energy leadership and vision. Without that vision, we risk finding ourselves in 2031, asking—again—how to reduce fossil fuel dependence. We respectfully urge the committee to forward HB 623, in the interest of strengthening our economy, protecting our environment, and securing our keiki from indefinite fossil fuel dependence.

Thank you for the opportunity to testify.

EEPTestimony

From: Brendan Kennedy <BKennedy@sunedison.com>
Sent: Monday, February 02, 2015 9:51 AM
To: EEPTestimony; ENETestimony
Subject: Senate Bill 715 and House Bill 623

Good morning,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Thanks

Brendan Kennedy
Project Manager, West

Mobile: 312-208-7635

Email: bkennedy@sunedison.com

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**Testimony before the
House Committee on Energy and Environmental Protection**

**Feb 03, 2015, 8:30 am
Conference Room 325**

H.B. No. 623 – Relating to Renewable Standards

**By Scott Seu
Vice President, System Operation
Hawaiian Electric Company, Inc.**

Chair Lee, Vice-Chair Lowen and Members of the Committee:

My name is Scott Seu. I am Vice President for System Operation at Hawaiian Electric Company. I am testifying on behalf of Hawaiian Electric and its subsidiary utilities, Maui Electric and Hawaii Electric Light (collectively “Companies”).

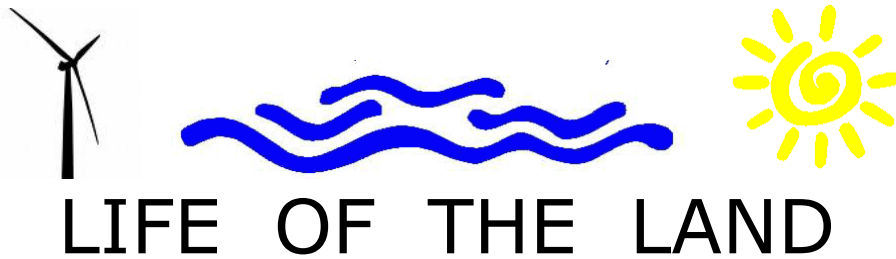
The Companies support the purpose and intent of House Bill No. 623 (“HB 623”) with respect to: (1) updating and extending Hawaii’s renewable portfolio standards (“RPS”); and (2) ensuring that electricity from on-site generation not purchased from an electric utility, both on and off-grid, is subject to the same renewable standards as electric utilities.

With respect to updating and extending Hawaii’s RPS, HB 623 proposes to increase renewable portfolio standards to 70% by 2035 and 100% by 2040. The Companies respectfully request that the Committee consider amending HB 623 to include language that would require analysis and consideration of the economic benefits that would result if the 2035 and 2040 RPS goals are achieved. To that end, the Companies suggest including language in the amendments to HRS § 269-92 similar to that currently contained in the preamble of the HB 623 which states “extending the renewable portfolio standard... beyond 2030 shall be undertaken in a manner that benefits Hawaii’s economy and all electric customers, maintains customer affordability, and does not induce renewable energy developers to artificially increase the price of renewable energy in Hawaii.” Additionally, while we believe we will be well on our way to greater than 65% RPS by 2030 if we are able to execute the plans that we’ve filed with the PUC, reaching 100% RPS by 2040 may prove to be very aggressive given that we’d need to ramp up the final 30% RPS in only a five year timeframe; hence the Committee should consider extending the 100% RPS target to 2050, as was proposed in the 2014 Legislative session.

The Companies also strongly support the requirement that electricity from large self-generators be subject to the same renewable standards as electricity generated by electric utilities. This will level the playing field and eliminate a loophole in existing law that allows large self-generators to bypass the purpose and intent of Hawaii’s RPS, i.e. reducing Hawaii’s long term dependence on imported fuel.

The Companies also note that further consideration may be required in relation to: (1) whether HB 623 should include exceptions for large self-generators that are used solely for emergency or backup power; (2) appropriate size thresholds for large-self generators; and (3) whether the Public Utilities Commission has jurisdiction over non-utility entities such as large self-generators.

Thank you for this opportunity to testify.



P.O. Box 37158, Honolulu, Hawai`i 96837-0158
Phone: 927-0709; E: henry.lifeoftheland@gmail.com

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Rep. Chris Lee, Chair

Rep. Nicole E. Lowen, Vice Chair

DATE: Tuesday, February 03, 2015

TIME: 8:30 a.m.

PLACE: Conference Room 325

Re: HB 623 RELATING TO RENEWABLE STANDARDS

Aloha Chair Lee, Vice Chair Lowen, and Members of the Committee

Life of the Land is Hawai`i's own energy, environmental and community action group advocating for the people and `aina for 45 years. Our mission is to preserve and protect the life of the land through sound energy and land use policies and to promote open government through research, education, advocacy and, when necessary, litigation.

SB 715 is designed to accomplish two things. First to establish an aspirational goal of increasing the renewable portfolio standards for Hawai`i to 100 per cent renewable energy by 2030. Second to limit the importation and use of liquefied natural gas (LNG) to being a transitional bridge fuel.

The renewable energy transition of the ground and marine transportation sector badly trails the electricity sector. Furthermore, LNG brought temporarily in to support the electric sector could become a permanent addition to the transportation sector.

Luckily fitting within the broad title of the bill is a simply remedy. A 25-year aspirational goal for transportation can be added to the bill.

SECTION 6. Section 226-18, Hawaii Revised Statutes, is amended to read as follows:

§226-18 Objectives and policies for facility systems--energy. (a) Planning for the State's facility systems with regard to energy shall be directed toward the achievement of the following objectives, giving due consideration to all:

(1) Dependable, efficient, and economical statewide energy systems capable of supporting the needs of the people;

(2) Increased energy self-sufficiency where the ratio of indigenous to imported energy use is increased;

(3) Greater energy security and diversification in the face of threats to Hawaii's energy supplies and systems; ~~and~~

(4) Reduction, avoidance, or sequestration of greenhouse gas emissions from energy supply and use; and

(5) a renewable standard of 100 per cent renewable energy by 2040 for all electric and thermal generation and all ground and marine transportation.

Mahalo

Henry Curtis
Executive Director

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
Rep. Chris Lee, Chair, Rep. Nicole E. Lowen, Vice Chair

Tuesday, February 03, 2015 at 8:30 a.m.
Conference Room 325, State Capitol 415 South Beretania Street

Testimony in Opposition to HB623

Chair Lee and Vice Chair Lowen and Members of the House Committee on Energy and Environmental Protection, my name is Eric Au and I am the Area Director of Engineering & Sustainability for Starwood Hawaii, which includes eleven resorts on four different Islands. Resorts comprising of: Sheraton Waikiki, Royal Hawaiian, Westin Moana Surfrider, Sheraton Princess Kaiulani, Westin Maui, Sheraton Maui, Westin Kaanapali Ocean Resort, Sheraton Kauai, St. Regis Princeville, Westin Princeville Ocean Resort, and Sheraton Kona.

Starwood Hawaii supports the intent of this Bill, and Hawaii's energy future as it moves towards a renewable energy future. We do not support the legislation as proposed and we are concerned with the unintended consequences this Bill may have on self-generators. There are a number of self-generators operating in Hawaii today, or plan to do so soon, that this Bill will impact. The self-generators produce electricity and waste heat onsite to reduce energy costs and improve system reliability. As such, we believe it is important for the Committee to be aware of the impact of the proposed changes to Section 269-91, which as proposed reads:

"Section 269-91, Hawaii Revised Statutes, is amended by adding a new definition to be appropriately inserted and to read as follows:

""Large self-generator" means any person or entity who owns or operates on-grid or off-grid electricity-generating equipment with a generating capacity of 500 kilowatts or more, except for equipment owned or operated by an electric utility or an independent power producer for the purpose of generating electricity for sale to an electric utility."

Several hotels, hospitals, schools and other facilities have either installed or plan to install gas-fueled onsite generation greater than 500 kilowatts. These facilities commonly install onsite generation that has the built in ability to capture the waste heat generated by producing electricity, which is then used to produce additional electricity, hot water or chilled water for air conditioning.

Requiring these facilities to meet a Renewable Portfolio Standard will reduce the economic benefit of these projects, slowing or even preventing implementation of high efficiency technologies, which would appear to be in conflict with achieving the State's energy efficiency goals of 30% by 2030. In addition, many of these self-generators are space constrained,

especially in Waikiki, which means adding onsite renewable generation would be a major challenge.

Such technologies are referred to as Combined Heat and Power (CHP) or cogeneration. CHP projects reduce the overall demand for electricity because the waste heat from producing electricity is captured and used to produce additional electricity, hot water or chilled water for air conditioning, which are commonly done using electricity. These installations operate at energy efficiency levels of 60% to 90% making them the most efficient way to convert fossil fuels into usable forms of energy. The benefit to the customer is a dramatic reduction in overall energy costs.

CHP is also a technology endorsed by President Obama per his Executive Order titled, “Accelerating Investment in Industrial Energy Efficiency”, which is encouraging efforts to achieve a national goal of deploying 40 gigawatts of new, cost effective industrial CHP in the United States by the end of 2020. The Department of Energy (DOE) also endorses the use of onsite generation and waste heat capture and actively participates in this area by funding the CHP Technical Assistance Partnerships, which operate in every state, including Hawaii, to facilitate the use of onsite generation. As shown on the DOE website:

“**Combined heat and power (CHP)**—sometimes referred to as cogeneration—provides a cost-effective, near-term opportunity to improve our nation's energy, environmental, and economic future. CHP is an efficient and clean approach to generating on-site electric power and useful thermal energy from a single fuel source. Instead of purchasing electricity from the grid and burning fuel in an on-site furnace or boiler to produce thermal energy, CHP provides both energy services to a facility in one energy-efficient step. Accelerated CHP has proven its effectiveness and holds promise for the future—as an:

- **Environmental Solution** – Significantly reducing CO₂ emissions through greater energy efficiency;
- **Competitive Business Solution** – Increasing efficiency, reducing business costs, and creating green-collar jobs;
- **Local Energy Solution** – Deployable throughout the United States; and
- **Infrastructure Modernization Solution** – Relieving grid congestion and improving energy security.

While a move to 100% RPS on electricity generation is a goal to be lauded, we must first understand the impact to self-generators. It is our hope that this testimony is helpful and can be used to craft language that both achieves our State’s energy goals and allows private and public facilities to pursue those energy solutions that are proven to reduce costs, increase efficiency and improve reliability.

EEPTestimony

From: mihaela banu <mihaflore81@yahoo.com>
Sent: Sunday, February 01, 2015 6:22 PM
To: EEPTestimony; ENETestimony
Subject: SB 715 and HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Thank you
Miha Banu

EEPttestimony

From: Peter Greenhill <pgreenhi@iolani.org>
Sent: Sunday, February 01, 2015 5:30 PM
To: EEPttestimony
Subject: Senate Bill 715 and House Bill 623, public testimony

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

EEPttestimony

From: laurag <laurag@divefish.com>
Sent: Sunday, February 01, 2015 9:48 AM
To: EEPttestimony
Subject: HB 623 Support

To whom it may concern,

I support HB 623. The time for us to act on climate change was about 40 years ago. I learned about it in my U.H. biology class. Why has it taken so long to do something to stop it and save ourselves? In one word; GREED!! I have grandchildren and I happen to think that they are more important than making rich people richer. Please support HB 623!

Sincerely, Laura Gray R.N.

EEPttestimony

From: Colleen Wallis <cee@hawaii.rr.com>
Sent: Monday, February 02, 2015 9:44 AM
To: EEPttestimony
Subject: Clean energy

Dear Representatives,

I strongly support any and all clean energy bills. Living in Hawaii where we have constant sunshine and fairly good weather, it seems foolish that we should have to pay for high energy bills.

Please pass the bill that will give us more clean energy.

Sincerely,

Colleen Miyose- Wallis

Kailua, Kona resident

EEPttestimony

From: Cielle Watjen-Brown <cielle.watjenbrown@lejardinacademy.org>
Sent: Monday, February 02, 2015 11:23 AM
To: EEPttestimony
Subject: Please support House Bill 623 and Senate Bill 715

Hello, I am Cielle Watjen Brown. I am 17 years old and I am associated with Wild Kids Hawaii, a wilderness education program. I support **House Bill 623 and Senate Bill 715** because I believe that we should try to use more renewable resources for energy. We are ruining our planet by burning fossil fuels. I understand that people will lose their jobs in the oil industry if we turn to solar panels, but what is more important, one species or 8.7 million?

EEPttestimony

From: Benen Weir <benen.weir@lejardinacademy.org>
Sent: Monday, February 02, 2015 10:51 AM
To: EEPtestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

My Name is Benen,

I am a 10th grade student at Le Jardin Academy. I support House Bill 484 because I believe that saving our planet for future generations is important. I believe that Hawaii should be the national leader in sustainable energy. I believe that the Earth should be here for humans to enjoy as we always have and should never be destroyed for the sake of money and profits.

Sincerely,
Benen and the future generations of Earth

EEPTestimony

From: Bernhard, Bennet <bbernhard016@lejardinacademy.org>
Sent: Monday, February 02, 2015 10:48 AM
To: EEPTestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

I am a strong believer in renewable energy and support this bill

Thank you very much
-Bennet Bernhard

EEPttestimony

From: Marx, Marika <mmarx016@lejardinacademy.org>
Sent: Monday, February 02, 2015 10:46 AM
To: EEPtestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

I think that this bill passing is going to ensure a better future for Hawaii. I am a part of a group that teaches kids the importance of sustainability and protect the Earth. So show these kids that the government cares about the environment!

Please support House Bill 623 and Senate Bill 715!

Marika Marx

EEPttestimony

From: Richard <rchrdsnth2011@gmail.com>
Sent: Monday, February 02, 2015 10:44 AM
To: EEPttestimony
Subject: House Bill 623

February 2, 2015

Honorable Representatives,

I, Richard M. Smith, PhD, retired UH professor and Kailua resident support HB 623, which will provide the necessary carrot and stick to achieve 100% renewable energy power generation by 2040.

Sincerely,
Richard M. Smith
1222 Manu Mele Street 96734

EEPttestimony

From: layne <laynecho@gmail.com>
Sent: Monday, February 02, 2015 10:37 AM
To: EEPttestimony
Subject: House Bill 623

February 2, 2015

Re: HB 623
Honorable Sir/Madam:

I, Elayne Cho, resident of Kailua, hope you will support passage of HB 623.

I feel our renewable energy program
need acceleration to 100% by 2040.

I do not see LNG as a viable long term component of Hawaii's energy solutions, being a green house gas itself and
promoter of climate change.

Sincerely,
Elayne Cho

1222 Manu Mele Street
Kailua, Hawaii 96734

EEPttestimony

From: Laura Christensen <lellenchristensen@gmail.com>
Sent: Monday, February 02, 2015 10:19 AM
To: EEPttestimony
Subject: I support HB 623 and SB 715

We need to target a100% of Hawaii Energy independence by 2030,only 15 years from now and I will breath a sign of relief for the future security,health and fossil free permanance of our island home. I support all legislation and legislators that will make this happen.

Mahalo, Laura Christensen

EEPTestimony

From: Miscovich, Julia <jmiscovich015@lejardinacademy.org>
Sent: Monday, February 02, 2015 10:19 AM
To: EEPTestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

Hello, my name is Julia Miscovich and I want to help make a change. Please support these Bills because we can make the world a better place. I care about the environment and about the place that I live and I want to see this renewable energy change the way we live and improve the way we live. Thank you!

EEPttestimony

From: Karl Yeary <karlyeary@gmail.com>
Sent: Monday, February 02, 2015 9:52 AM
To: EEPtestimony; ENETestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623) and Comm. Solar (House Bill 484)

Aloha,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Additionally, I strongly support HB 484. With each new solar panel, H awaïi gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Thanks, Karl

EEPttestimony

From: Janet Mac Neal <jjhawaii07@gmail.com>
Sent: Monday, February 02, 2015 9:40 AM
To: EEPttestimony
Subject: 2015 Legislation

I support SB715, HB623 and HB484. Please consider voting for these bills ... your vote will be sincerely appreciated. We the people reach out to all of you to make Hawaii a better place to live for all of us. Mahalo,
Janet Mac Neal

EEPttestimony

From: Douglas McCracken <dbasMcCracken@hawaii.rr.com>
Sent: Monday, February 02, 2015 9:34 AM
To: EEPttestimony
Subject: SB 715, HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

EEPttestimony

From: Chang, Henry <Henry.Chang@lendlease.com>
Sent: Monday, February 02, 2015 9:17 AM
To: EEPttestimony
Subject: Senate Bill 715 and House Bill 623

Lawmakers,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Mahalo,

[Henry Chang AIA](#) | Technical Design Manager | **Project Management & Construction** | [Lend Lease](#)
2104 Ulrich Way, Schofield Barracks, HI 96857
T 808 748 8235 | F 808 748 8299 | M 808 284 3901
henry.chang@lendlease.com | www.lendlease.com

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EEPtestimony

From: Kate Beutner <katharine.b@gmail.com>
Sent: Monday, February 02, 2015 8:56 AM
To: EEPtestimony; ENETestimony
Subject: Senate Bill 715 and House Bill 623

Dear Legislators,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Mahalo,

Kate Beutner

EEPttestimony

From: Patricia Freeman <puako@lava.net>
Sent: Monday, February 02, 2015 8:41 AM
To: EEPtestimony
Subject: WE are all Supporting Senate Bill 715 for 100% Renewable energy by 2040

My family, ohana and I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. YES! We must do this. We are counting on you!!!!

We need and we will only support legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.”

Warmest Aloha,

Pattie

Pattie Freeman, Real Estate Broker
Hawaii Vacation Rentals, Inc.

www.VacationBigIsland.com

Direct 808.882.7000 | fax 808.882.7607
puako@lava.net | seaside@aloha.net

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Linkedin: www.linkedin.com/in/pattiefreemanpuakopattie77

P. O. Box 2880
Kamuela, HI 96743

EEPTestimony

From: June Chee <june.chee@kupuhawaii.org>
Sent: Monday, February 02, 2015 8:39 AM
To: EEPTestimony; ENETestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623)

Aloha,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Mahalo,

--

Kupu

June Chee | RISE Program Manager

677 Ala Moana Blvd. | Suite 1200 - Honolulu, HI 96813

p: 626.318.6313 | e: june.chee@kupuhawaii.org

www.kupuhawaii.org

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EEPttestimony

From: Diane Kanealii <dkanealii02@gmail.com>
Sent: Monday, February 02, 2015 8:32 AM
To: EEPtestimony; ENETestimony
Subject: Senate Bill 715 and House Bill 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Diane "Maka'ala" Kanealii
Kawaihae, Hawaii
808-640-3195

EEPtestimony

From: Angel Kay <uherekangel@gmail.com>
Sent: Monday, February 02, 2015 8:18 AM
To: EEPtestimony
Cc: ENETestimony
Subject: Please pass House Bill 623, Senate Bill 715

Please pass these bills

It's a great example for the rest of the mainland. I know even here industry professionals are watching Hawaii with keen interest because they are facing capacity issues so far ahead of the rest of the larger states. It would be great to see Hawaii set the 70% goal and continue to be a trail blazer for the rest of the country to follow. Perhaps if virtual net-metering succeeds in Hawaii other states will be willing to allow it. It would be a great boon for the industry as a whole.

Angel Uherek

3454 Campbell Ave
Honolulu HI 96815

EEPttestimony

From: Nick DeBoer <nicholas.deboer@gmail.com>
Sent: Monday, February 02, 2015 8:15 AM
Subject: Clean Energy by 2040

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,

Nick DeBoer

EEPttestimony

From: Dennis O'Shea <oshea606@gmail.com>
Sent: Monday, February 02, 2015 7:45 AM
To: EEPttestimony
Subject: 100 % Clean Energy

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective. Don't even consider nuclear energy

Mahalo,
Dennis O'Shea
Lahaina

EEPttestimony

From: Darren Kimura <darren.t.kimura@gmail.com>
Sent: Monday, February 02, 2015 7:15 AM
To: EEPttestimony
Subject: Testimony

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,
Darren Kimura

EEPTestimony

From: Brijit Reis <bbreis@icloud.com>
Sent: Monday, February 02, 2015 7:13 AM
To: EEPTestimony; ENETestimony
Subject: I SUPPORT SB 715 and HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Brit

Brit Reis, MD
Reis Pediatrics
30 Aulike St, Suite 500
Kailua, HI 96734
ph. 808-263-8822
f. 808-261-6749
www.reispediatrics.com
bbreis@me.com

"When we quit thinking primarily about ourselves and our own self preservation, we undergo a truly heroic transformation of consciousness."

-Joseph Campbell

EEPttestimony

From: Eric Hermosura <ehermosura@gmail.com>
Sent: Monday, February 02, 2015 6:56 AM
To: EEPttestimony
Subject: Support SB715 and HB 623

I am a condo owner and we do not have solar on our building because of the prohibitive laws for solar in Hawaii regarding apartment buildings. I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Thank you,

Eric Hermosura

ehermosura@gmail.com

Sent from my iPad

EEPTestimony

From: kama'aina <kamaaina@pilipono.com>
Sent: Monday, February 02, 2015 6:50 AM
To: EEPTestimony; ENETestimony
Subject: SB 715 and HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,

Don Najita

EEPtestimony

From: DeFontes, Carlann CIV VA (US) <carlann.defontes.civ@mail.mil>
Sent: Monday, February 02, 2015 1:03 AM
To: EEPtestimony; ENETestimony
Subject: Senate Bill 715, House Bill 623 (UNCLASSIFIED)
Signed By: carlann.defontes.civ@mail.mil

Classification: UNCLASSIFIED
Caveats: NONE

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Carlann DeFontes

Classification: UNCLASSIFIED
Caveats: NONE

EEPttestimony

From: sclarandg001@hawaii.rr.com
Sent: Sunday, February 01, 2015 11:41 PM
To: EEPttestimony
Subject: Bills 715 and 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective. Mahalo for your consideration, Giovanni Sclarandis

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 01, 2015 11:27 PM
To: EEPtestimony
Cc: shannonkona@gmail.com
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

Submitted on: 2/1/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Support	No

Comments: Strongly Support... although 2040 is faaar too long to wait. Can't we do better than this? Gloomy Germany is beating the pants off us. Hawai`i SHOULD BE a solar leader to the world, the ONLY thing stopping us is bad policy.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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EEPttestimony

From: Roy Skaggs <roy8820@yahoo.com>
Sent: Sunday, February 01, 2015 10:37 PM
To: EEPttestimony; ENETestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623)

Aloha,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Mahalo,
Roy Skaggs

EEPttestimony

From: Kevin Holder <kevin.holder@revolusun.com>
Sent: Sunday, February 01, 2015 10:29 PM
To: EEPtestimony
Subject: YES to SB 715 and HB 623

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Thank you,

Kevin Holder
Solar Energy Design Specialist
Certified SunPower Solar Energy Consultant
Certified SunRun Design Consultant
(808) 366-2216 Main | 808.462.4632 Fax
210 Ward Avenue, Suite 140 | Honolulu, HI 96814



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Please consider the environment before printing this e-mail

From: Jonas Vibell <drjonasvibell@gmail.com>
Sent: Sunday, February 01, 2015 9:54 PM
Subject: Support of bills

Dear Madam/Sir,

I want to make it known that I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Costa Rica just did it and so can we!

<http://www.metaefficient.com/renewable-power/costa-rica-is-99-powered-by-renewable-energy.html>

Aloha,

Jonas Vibell

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 01, 2015 9:48 PM
To: EEPttestimony
Cc: jmccay@hotmail.com
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Submitted on: 2/1/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
James McCay	Individual	Support	No

Comments:

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EEPttestimony

From: Angelina Mercado <ang@angelinamercado.com>
Sent: Sunday, February 01, 2015 9:47 PM
To: EEPttestimony
Subject: Support SB 715 and HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,
Angie Mercado

EEPttestimony

From: Tania Howard <taniahoward@comcast.net>
Sent: Sunday, February 01, 2015 9:15 PM
To: EEPttestimony
Cc: info@blueplanetfoundation.org; ENETestimony
Subject: Solar and Wind Energy, Green Building Codes and Rail

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040, along with HB 623, supporting community solar. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. While this is a start, it's not good enough, nor what we are capable of. For the health and well being of my daughter and her future, I want strong leaders who will ensure that our energy comes from clean and renewable sources, with a primary focus on solar and wind, strong green building codes to reduce energy requirements, and a transportation system focused around people, not cars, with good planning and facilities for pedestrians, bicyclists, with a focus around rail.

Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,
Tania Howard

--

Tania Howard
taniahoward@comcast.net

EEPttestimony

From: Samuel K Kapoi <samkapoi@gmail.com>
Sent: Sunday, February 01, 2015 8:55 PM
To: EEPtestimony; ENETestimony
Subject: Support SB 715 and HB 623.

Aloha!

My name is Sam Kapoi of Wai'anae and I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawai'i energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawai'i on a path toward 100% clean energy that is local, sustainable, and cost-effective. Mahalo Nui!

Me Ke Aloha 'Āina,
Sam "Kamu" Kapoi

Stay connected:
www.SamKapoi.com

EEPttestimony

From: Karen Kiefer <karen@karenkiefer.com>
Sent: Sunday, February 01, 2015 8:46 PM
To: EEPttestimony
Subject: *****SPAM***** 623

I support 623.
aloha, Karen

Karen Kiefer
karen@karenkiefer.com

For information about art, art classes, and creative services go to
<http://www.karenkiefer.com>

EEPttestimony

From: Justinefreebird Espiritu <espritu.justine@gmail.com>
Sent: Sunday, February 01, 2015 8:27 PM
To: EEPtestimony; ENETestimony
Subject: Support for Senate Bill 715 and House Bill 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. I believe that making this goal a state policy will prove Hawaii to be a leader in renewable energy and spur innovation in our state, thus benefiting our energy security and economy. Right now, state law targets 40% by 2030. Hawaii can do better than that. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Mahalo!

Justine Espiritu
3035 Hibiscus Drive
Honolulu HI 96815

--

Justine Espiritu
librebird.weebly.com
[Libre Farm, LLC](#)

"You can't live a positive life with a negative mind"

EEPttestimony

From: Jerome Feldman <feldmanj002@hawaii.rr.com>
Sent: Sunday, February 01, 2015 8:21 PM
To: EEPttestimony
Subject: clean energy

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Prof. Jerome Feldman

EEPttestimony

From: Asia Yeary <yeary.asia@gmail.com>
Sent: Sunday, February 01, 2015 8:02 PM
To: EEPtestimony; ENETestimony
Subject: Please support SB 715 and HB 623

Dear legislature,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective. **Please support SB 715 and HB 623.**

Thank you.

Sincerely,

Asia Yeary

EEPttestimony

From: LOIS <lbc628@gmail.com>
Sent: Sunday, February 01, 2015 7:24 PM
To: EEPttestimony
Subject: I support HB 623

I strongly support HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030 but that's not good enough because technologies are already in place to exceed this target easily. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Lois Crozer
Kailua

EEPttestimony

From: liz szabo <emtszabo@hotmail.com>
Sent: Sunday, February 01, 2015 6:18 PM
To: EEPttestimony; ENETestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623)

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

I totally support renewable energy especially solar energy. It is my hope that I will soon be able to move to Oahu so I am very interested in the best interests of Hawaii.

EEPttestimony

From: Ann Marten <annmarten@hawaii.rr.com>
Sent: Sunday, February 01, 2015 5:41 PM
To: EEPttestimony
Subject: clean energy bills

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We can wait for a natural or other disaster (who knows what weapons will be unleashed upon us or our suppliers or when) and try to play catch as catch can, or we can begin preparing now. The good thing is that it will be good for us even if there is no disaster. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

EEPttestimony

From: Manny Sultan, PPI <manny.sultan@pacificprojectsinc.com>
Sent: Sunday, February 01, 2015 5:03 PM
To: EEPttestimony
Subject: SB 715 and HB 623

Many countries including, but not limited to, Switzerland, Germany and many others are working with far faster speed than Hawaii toward the goal of 100% clean energy. Not only for saving the environment, but also and mainly for saving valuable money that can be utilized effectively for education, health care and other pillars of appropriate development. For the sake of saving Hawaii on the long term, and for the sake of ensuring good life for our children, grandchildren and future generations, please pass the current bills of SB 715 and HB 623, which I strongly support and which call for 100% clean energy by 2040.

We need legislators with a strong vision for Hawaii energy independence and working for Hawaii future. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, and paying costly for that, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Aloha, Manny

Dr. Manny Sultan
Pacific Projects, Inc.
Tel (808) 589-3333
Fax (808) 591-1115
Cell (808) 382-3130
manny.sultan@pacificprojectsinc.com
<http://www.pacificprojectsinc.com>

EEPttestimony

From: rashani réa <rashanirea@yahoo.com>
Sent: Sunday, February 01, 2015 4:32 PM
To: EEPttestimony
Subject: Re: WE are all Supporting Senate Bill 715 for 100% Renewable energy by 2040

My family, community and I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. YES! We must do this. We are counting on you!

We need and we will only support legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Victoria Réa
P.O. Box 916
Na'alehu, HI.
96772

EEPttestimony

From: Calley O'Neill <calley@kona.net>
Sent: Sunday, February 01, 2015 4:26 PM
To: EEPttestimony
Subject: *****SPAM***** WE are all Supporting Senate Bill 715 for 100% Renewable energy by 2040

My family, ohana and I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040.
YES! We must do this. We are counting on you!!!!

We need and we will only support legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Calley O'Neill
PO Box 6571
Kamuela, Hawai'i 96743
808-885-0609

www.CalleyONeill.com

www.CalleyONeillStainedGlassandMosaic.com

www.TheRamaExhibition.org

May we move together
toward world peace and healing.

From: nix@lifeislight.com
Sent: Sunday, February 01, 2015 4:16 PM
To: EEPttestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623)

Aloha,

"We strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. We don't want the risk of having most of our energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Mahalo,

Dr. John and Debra Nix

Kihei

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EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 01, 2015 3:55 PM
To: EEPtestimony
Cc: davidsher@juno.com
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

Submitted on: 2/1/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Sherry Pollack	Individual	Support	No

Comments: I strongly support this bill which aims to move us completely away from fossil fuels. Moving toward 100% renewable power as quickly as possible is a must to address the climate crisis we already feel the effects of. LNG should not be considered as an option for providing energy for Hawaii. Mahalo for your consideration, Sherry Pollack Ahuimanu

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EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 01, 2015 12:09 PM
To: EEPtestimony
Cc: mendezj@hawaii.edu
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Submitted on: 2/1/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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EEPttestimony

From: Lisa Marten <lisamarten@hawaii.rr.com>
Sent: Sunday, February 01, 2015 8:56 AM
To: EEPttestimony
Subject: Support HB 623

Aloha.

Please support this Bill until it becomes law. Renewable energy stimulates our local economy, and allows us to play a part in slowing climate change. HECO (65%) and DBEDT (70%) are on board with similar increases by 2030, so this is not a stretch. It is important to add in the later goal of 100% renewable so that no utility company considers us a permanent captive market for imported fossil fuel. Your leadership on this Bill will allow Hawaii to be leaders in renewable energy, with the expertise our businesses develop being a fabulous new export for our State.

Thank you, Lisa Marten

EEPttestimony

From: Gmail <aaron.spira@lejardinacademy.org>
Sent: Monday, February 02, 2015 1:30 PM
To: EEPtestimony; ENETestimony
Subject: Please pass house bill 623 and senate bill 715

I am a Earth conscious high school student and I believe this is the right choice for Hawaii and Hawaii's future. Show our schools and children that the government cares about the environment!!
Please pass house bill 623 and senate bill 715!!

Aaron Spira

EEPttestimony

From: Heather Huitt <dashcapt@icloud.com>
Sent: Monday, February 02, 2015 12:05 PM
To: EEPttestimony
Subject: House Bill 623 and Senate Bill 715

Update our Renewable Portfolio Standards (RPS) to 70% by 2035 and 100% by 2040. House Bill 623, Senate Bill 715. This is only for power generation, not the more challenging transportation sector. New technologies that are cheaper than imported oil have already put us on the path to exceed the RPS set in 2009 (40% renewable power by 2030). The Hawaii State Energy Office and HECO have proposed increasing the RPS by 2030 to 70% and 65% respectively. We should codify this into law, and make clear that we will eventually move off fossil fuels for power generation completely by having the 100% renewable goal. Failing this, our power company may bank on providing the remaining 30% with imported LNG forever and invest heavily in infrastructure that we will pay for.

Please include me as a supporter of these bills.

Heather M. Huitt

44-002 Paku Pl.
Kaneohe, Hi. 96744

Sent from my iPad

EEPTestimony

From: marsha johnson <m2john3@me.com>
Sent: Monday, February 02, 2015 1:08 PM
To: EEPTestimony; ENETestimony
Subject: Statement

I strongly support SB 716 and HB 623, calling for 100%clean energy by 2040.

I am a retiree and want my children and grandchildren living here in Hawaii to have a healthy environment for decades to come.

I think we need goal of 100%, not just 40% by 2030. 40% just is not enough. I don't want our energy to continue coming from fossil fuels.

Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable and cost effective.

Marsha Johnson
Waikiki resident

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 12:47 PM
To: EEPtestimony
Cc: zojing@aol.com
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Zojing Wong	Individual	Support	No

Comments:

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EEPttestimony

From: Levani <levani.rachel@gmail.com>
Sent: Monday, February 02, 2015 11:53 AM
To: EEPttestimony
Subject: Please Support Senate Bill 715 and House Bill 623

I strongly support **SB 715 and HB 623**, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Thank you.

Levani Lipton

EEPttestimony

From: Serena Nozawa <serena.nozawa@lejardinacademy.org>
Sent: Monday, February 02, 2015 2:07 PM
To: EEPtestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

My name is Serena Nozawa and I am a Senior at Le Jardin Academy. I support these bills to update our Renewable Portfolio Standards because I believe that moving completely off of fossil fuels is necessary to live in a healthier world! As a young adult, I care about the state of world because it will be the world that my children grow up in. I want them to be able to hike to waterfalls the way I do and not have to look at a screened sunset like the people of Beijing.

Thank you for your consideration.
Serena Nozawa

EEPttestimony

From: Ramanlal, Kivalu <kramanlal015@lejardinacademy.org>
Sent: Monday, February 02, 2015 2:22 PM
To: EEPttestimony
Subject: Please Support House Bill 623 and Senate Bill 715

It is essential that, on our quest for energy independence, we continue to harness one of our islands' most bountiful gifts: the sun. People are adopting solar energy more rapidly than ever before. Yet, we are told that we must slow - stop, even -this effort towards sustainable energy, because we have "exceeded the RPS" standards set in 2009. The ambitions of HECO, a government-backed utility company, cannot overpower the voice of the people *it* serves, for whatever self-serving goals that *it* has. What happened to rewarding those who make a change for good by utilizing renewable energies? We cannot simply stand by and timidly accept HECO's claim that its power grid cannot sustain any more solar energy. Legislation should be changed to exceed Renewable Portfolio Standards and HECO should be working overtime to ensure that its grid can sustain the inevitable future: where homes are powered by nature. The changes - or lack thereof - we make now will either perpetual curse or bless our future generations.

Firmly,

Kivalu

EEPttestimony

From: Miles Topping <miles.topping@gmail.com>
Sent: Monday, February 02, 2015 2:51 PM
To: EEPttestimony
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623)

Dear Legislators,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Sincerely,
Miles Topping

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 3:06 PM
To: EEPtestimony
Cc: paulakomarajr@yahoo.com
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Paul A. komara, Jr.	Individual	Comments Only	No

Comments: I assume this Bill will exclude obsolete technology such as a "smart" system and inter-island submarine power cables.

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EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 3:19 PM
To: EEPtestimony
Cc: mauipeaceaction@earthlink.net
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Mele Stokesberry	Individual	Support	No

Comments:

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EEPttestimony

From: Marx, Kennedy-Anne <kennedy.marx@lejardinacademy.org>
Sent: Monday, February 02, 2015 3:59 PM
To: EEPtestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

Hello My name is Kennedy-anne and I am 14 years old. I believe that taking care of our planet is very important. I believe if we use renewable energy sources, and stop our use of fossil fuels it will be very helpful to stoping Climate change and will help reduce the amount of money needed for fossil fuels.
Please support House Bill 623 and Senate Bill 715!!

Mahalo!



HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 3, 2015, 8:30 A.M., Room 325

(Testimony is 4 pages long)

Late

SUPPLEMENTAL TESTIMONY IN STRONG SUPPORT OF HB 623

Chair Lee, Vice-Chair Lowen, and members of the Committee:

This testimony supplements the previously submitted testimony of Blue Planet Foundation, in strong support of the HB 623.

Blue Planet notes that the 2040 date for 100% clean energy adopted in the bill is a quarter century away. A 2040 target is not overly aggressive. It is based on data filed with the PUC.

The bill should not be amended to relax the vision to 2050.

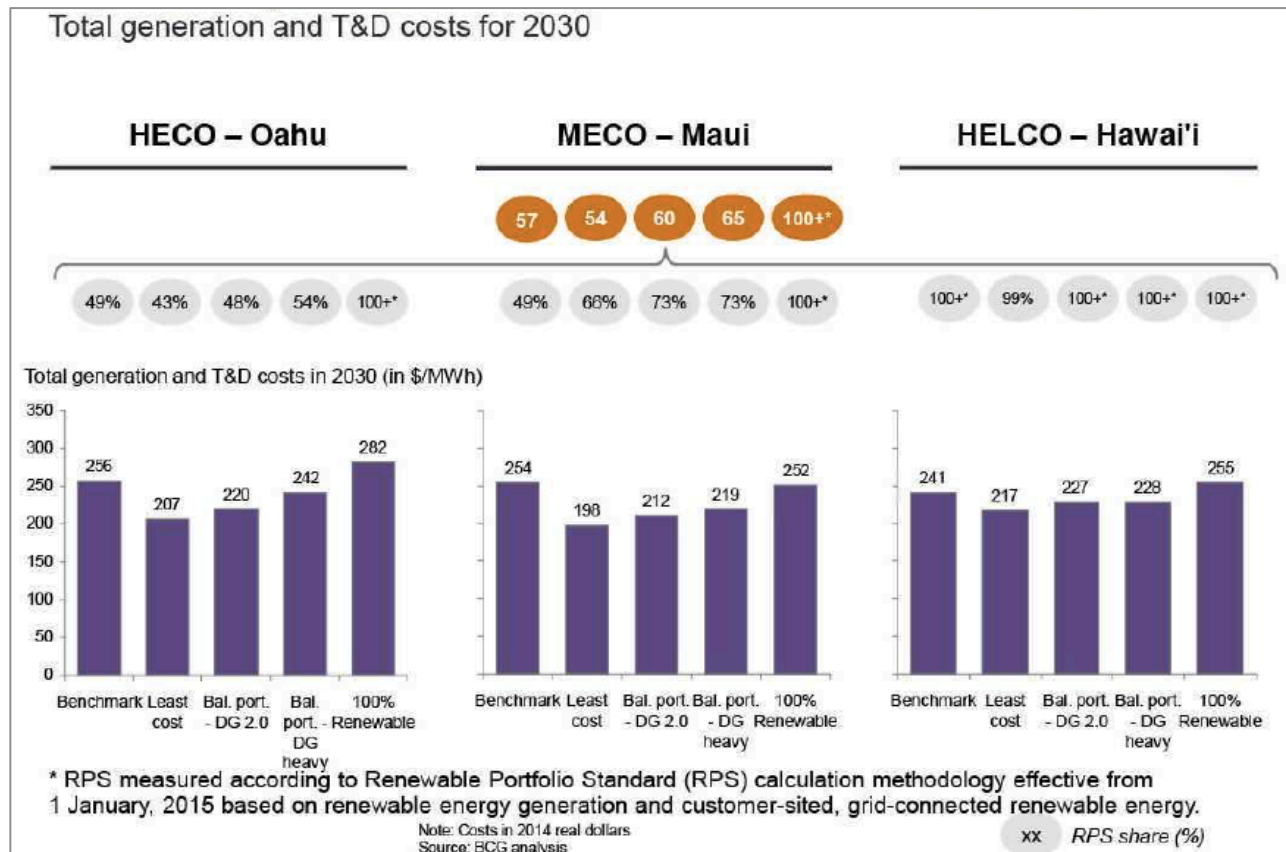
First, we note that the trend established by the HECO Companies' energy plans filed in 2014, if continued beyond 2030, would achieve 100% by 2040. This is reflected in the data chart included in Blue Planet's original testimony.

Second, we note that **while the HECO Companies' "preferred plan" would achieve approximately 65%-70% clean energy by 2030, their analysis did include a scenario of 100% clean energy by 2030.** The requirements for generation under the HECO Companies' analysis included reliability and other factors. An image from the HECO Companies' PUC filing is attached to this supplemental testimony. The forecasted cost of achieving that target was than 0 to 5 cents more per kWh than the comparable current cost of energy. With efficiency, this would translate into lower total monthly energy bills.

Third, we note that the PUC retains oversight over the RPS targets. In the event that moving from the current HECO Companies' plans (approximately 65% to 70% clean energy by 2030) to the targets in HB 623 (70% by 2035, 100% by 2040), the PUC is required under existing law to periodically evaluate the achievability and benefits of the targets. Rather than relaxing targets that are more than a quarter century away, HB 623 as written will allow the PUC to address achievability as technology and other factors evolve in the coming decades.

Thank you for the opportunity to testify.

From Page 8 of HECO Companies' October 2014 PUC filing (Docket No. 2014-0183):



EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 9:24 PM
To: EEPtestimony
Cc: alemorrier@gmail.com
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

Late

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
alicia morrier	Individual	Support	No

Comments:

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EEPttestimony

From: Jeff Yin <jyin42@gmail.com>
Sent: Monday, February 02, 2015 9:22 PM
To: EEPttestimony
Subject: I support HB 623

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawai'i energy independence. Right now, state law targets 40% by 2030. That's not good enough to free us from imported fossil fuels, or to set the example for the rest of the world that we need to reduce damaging sea level rise. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Jeffrey Yin
Makiki, Honolulu, Hawai'i

EEPttestimony

From: Janet Pappas <jpappas60@gmail.com>
Sent: Monday, February 02, 2015 9:09 PM
To: EEPttestimony
Subject: Support for HB623 (Update our Renewable Portfolio Standards (RPS))

Dear House EEP Committee members,

Please support HB623 to raise our Renewable Portfolio Standards (RPS) to 70% by 2035 and 100% by 2040. Having these higher goals will force Hawaii to move quickly away from the use of imported fuels, a major factor in climate change. Moving to renewables relieves local residents, businesses and government agencies of Hawaii's exorbitantly high energy costs compared to all other states. New jobs may result from using local energy sources (sun, wind, wave, geothermal).

Substituting "bridge" fuels such as liquid natural gas does not move us in the direction of renewable energy. If we can skip this step altogether, we eliminate the costs of a transition step and all the "baggage" it would bring.

Set the goal high. It will force us as a state to act and act now--not wait and miss out on opportunities these new industries could afford us.

Please vote YES on HB623.

Thank you,
Janet L. Pappas
98-1287 Akaaka St.
Aiea, Hawaii 96701
jpappas60@gmail.com
(808) 383-1988

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 8:05 PM
To: EEPtestimony
Cc: oneettegurl@aol.com
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
fehren	Individual	Comments Only	No

Comments: I support sb715 and hb623 for 100% clean energy. Please pass these bills. At the rate we are going, our growing economy, its not good enough. Mahalo

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EEPttestimony

From: Braun, Joseph <jbraun015@lejardinacademy.org>
Sent: Monday, February 02, 2015 7:30 PM
To: EEPttestimony
Subject: Please support House Bill 623 and Senate Bill 715

late

My name is Joey Braun and I have been living in Hawaii my entire life. During my time here, I have watched as rooftops began to be covered in solar panels. My family even incorporated them into our house. The thought that no more households can choose to switch to a green form of energy is saddening. Our home is at stake and removing the cap placed by HECO will help the future generations have a green and sustainable power source and a beautiful, healthy environment. Please support these Bills and make our island a green one.

Joey Braun

From: Hershey, Sean <sean.hershey@lejardinacademy.org>
Sent: Monday, February 02, 2015 6:49 PM
To: EEPttestimony
Subject: Please support House Bill 623 and Senate Bill 715

Late

I think this should pass because these are worthy goals and should be updated. These goals are good for the community because they reduce the need for imported oil and give us something to work towards.

-Sean Hershey, Le Jardin Academy Grade 7

EEPttestimony

From: Virginia Hinshaw <vhinshaw@hawaii.edu>
Sent: Monday, February 02, 2015 6:16 PM
To: EEPttestimony
Subject: Support for SB 715 and HB 623

Late

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Virginia S. Hinshaw

EEPtestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 6:11 PM
To: EEPtestimony
Cc: clareloprinzi@gmail.com
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

Late

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
clare loprinzi	Individual	Support	No

Comments:

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EEPttestimony

From: Michael Noon <michael.noon@lejardinacademy.org>
Sent: Monday, February 02, 2015 5:42 PM
To: EEPttestimony
Subject: Bill 623

Late

My name is Michael Noon and I support bill 623. I believe this because in order to make our community greener, a big step will be removing the use of fossil fuels in our production of energy.

EEPtestimony

From: Lawson, Lauren <lauren.lawson@lejardinacademy.org>
Sent: Monday, February 02, 2015 5:02 PM
To: EEPtestimony; ENETestimony
Subject: Please Support House bill 623 and Senate Bill 715

Late

My name is Lauren and I believe that if this bill is passed it will help Hawaii become 100% done with fossil fuels. This is important for future people and the world. Thank you!

EEPtestimony

From: Desilets, Sophie <sophie.desilets@lejardinacademy.org>
Sent: Monday, February 02, 2015 4:54 PM
To: ENETestimony; EEPtestimony
Subject: Please support House Bill 623 and Senate Bill 715

Late

My name is Sophie! I live in hawaii and I love to go to the beach! Using less fossil fuels will be good for the environment and will help protect our planet.

EEPttestimony

From: Kirsten Turner <kirstenbturner@gmail.com>
Sent: Monday, February 02, 2015 4:28 PM
To: EEPtestimony
Subject: SB715 100% Clean Energy for Hawaii

Late

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence in order to free our economy from dependence on fossil fuels. Liquid natural gas is not renewable and its creation and shipping to Hawaii contributes to green house gases. We need to strengthen our state law that targets 40% clean energy by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels any longer than it takes to switch to completely renewable energy. Please pass these bills that will set Hawaii on a path toward 100% renewable energy that is clean, local, sustainable, and cost-effective.

Mahalo nui loa for your diligence toward this effort by passing this bill. If Burlington, VT can do it, so can we!

--

Kirsten Baumgart Turner
Community Development Services
336 Ilimano St
Kailua, HI 96734
Office:(808) 254-2154
Cell:(808) 358-4286

Helping great ideas happen!

EEPTestimony

From: Memering, Madalyn <madalyn.memering@lejardinacademy.org>
Sent: Monday, February 02, 2015 4:13 PM
To: ENETestimony; EEPTestimony
Subject: Please Support Bill 623 and Senate Bill 715

Late

Hi my name is Maddy and I support bill 623 and senate bill 715. Solar pannels are very important to families, the economy and the government. Using renewable energy is a key idea because it is better for the future and the world, and it is the future for our keiki.

Thank you,

Maddy Memering

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 02, 2015 4:07 PM
To: EEPtestimony
Cc: wao-hsl@WeAreOne.cc
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

Late

HB623

Submitted on: 2/2/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	Individual	Support	No

Comments:

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EEPttestimony

From: jeff barone <jeff.barone@gmail.com>
Sent: Monday, February 02, 2015 4:07 PM
To: EEPtestimony; ENETestimony
Subject: Please support House Bill 623 and Senate Bill 715

To Whom it may concern...

Aloha Mesdames and Gentlemen,

I am a deeply concerned citizen expressing my opinion regarding the support of codifying into Law the increasing of the RPS by 2030 to 70% and 65% respectively .

It is my interest to **MAKE VERY CLEAR** to the Power Companies that we as a state will eventually move off fossil fuels for power generation *completely* by having the 100% renewable goal. Failing this, our power company may bank on providing the remaining 30% with imported LNG forever and invest heavily in infrastructure that we will pay for.

Thank you for your consideration in this deeply significant matter.

Please support updating our RPS for us and our planet!

Mahalo~

Jeff Barone

EEPttestimony

From: GRANT SCHAEFER <grant.schaefer@lejardinacademy.org>
Sent: Monday, February 02, 2015 4:48 PM
To: ENETestimony; EEPtestimony
Subject: I Support House Bill 623 and Senate Bill 715

Late

My name is Grant Schaefer; I am 15 years old and a resident of Hawaii. Using fossil fuels was a source of energy that had suited the Industrial Revolution many years ago, but today it has become unfit, especially with the recent technological advances that have allowed for us to find alternatives. Therefore, I fully support our gradual change to reusable energy sources.

Thank You,
Grant Schaefer

--

Thank You,

Grant Schaefer

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 03, 2015 6:42 AM
To: EEPtestimony
Cc: rfreitasjr@hotmail.com
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

Late

Submitted on: 2/3/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Freitas Jr.	Individual	Support	No

Comments: I support this bill!!!

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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EEPttestimony

From: Karen Murray <kmurray.testimony@gmail.com>
Sent: Tuesday, February 03, 2015 12:04 AM
To: EEPtestimony; ENETestimony
Subject: In support SB 715 and HB 623

Late

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. Currently, state law targets 40% by 2030. We need our lawmakers to have a clearer, more determined vision for the sake of our children. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

EEPttestimony

From: Tatyana Cerullo <tc.law.llc@gmail.com>
Sent: Monday, February 02, 2015 11:03 PM
To: EEPtestimony; ENETestimony
Subject: I strongly support SB 715 and HB 623

Late

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

--

Best regards,

Tatyana E. Cerullo
Attorney At Law
TC LAW LLLC
<http://www.marshallislandslawyers.com>
<http://www.linkedin.com/in/tclawlllc>

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EEPttestimony

From: kauaikonne2@hawaii.rr.com
Sent: Monday, February 02, 2015 10:25 PM
To: EEPtestimony
Subject: 100% Clean Energy for Hawaii

Late

"I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective."

Connie Fairbanks
Holualoa, HI 96725

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 03, 2015 10:54 AM
To: EEPtestimony
Cc: juggler@aloha.net
Subject: *Submitted testimony for HB623 on Feb 3, 2015 08:30AM*

HB623

Late

Submitted on: 2/3/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Graham Ellis	Individual	Support	No

Comments:

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LATE TESTIMONY OPPOSING HOUSE BILL 623, RELATING TO RENEWABLE STANDARDS

House Committee on Energy & Environmental Protection

The Honorable Chris Lee, Chair

The Honorable Nicole Lowen, Vice Chair

Tuesday, February 3, 2015 – 8:30 a.m.

State Capitol, Room 325

LATE

Chair Lee, Vice Chair Lowen and members of the Committee,

Thank you for this opportunity to submit late testimony in opposition to House Bill 623, Relating to Renewable Standards. My name is Lance Tanaka, director of government and public affairs for Hawaii Independent Energy, LLC ("HIE"). HIE is a subsidiary of Par Petroleum Corporation and operates the state's largest petroleum refinery located in Kapolei, Hawaii.

The overarching purpose of this bill and its companion, Senate Bill 715, is to upgrade and extend Hawaii's clean energy initiative and renewable portfolio standards, by setting a goal of 100 percent renewable electricity generation by 2040. In doing so, HB 623 would require electrical generation units – defined as large self-generator units producing 500 kilowatts of electricity or more – to conform to the same renewable standards as electricity generated by electric utilities.

The co-generation unit that is used to generate power at the Hawaii Independent Energy refinery is included in the scope of this bill. The refinery co-generation unit is an essential tool that not only supplies power, it also enables HIE to balance its refining operation with regard to varying supplies of jet fuel, diesel, naphtha and other byproducts. The byproducts are used interchangeably as fuel to run the co-gen unit. Switching to a fixed fuel in order to comply with the renewable portfolio standards is not an option.

Being regulated by renewable portfolio standards will mean a change in fuel basis for HIE, which the company should not be forced to do. This would result in economic hardship in that HIE would be required to import a different fuel and forced to export products that would otherwise be used to fuel the co-gen.

Furthermore, the current RPS requires that the amount of renewable electric sales increase from 10 percent to 40 percent over 20 years. The bill's requirement that electrical sales from renewable sources be raised another 60 percent (from 40 to 100 percent) in just under 10 years is not realistic. There should be a clear cost criteria established to ensure what constitutes maintaining customer affordability. For example, the cost of power generated from renewable fuels and facilities should not exceed twice that which is incurred by traditional fuel oil or coal burning power plants. A study is needed to determine the costs of such a renewable program

Lance N. Tanaka, Hawaii Independent Energy, LLC
Late Testimony in Opposition to House Bill 623, Relating to Renewable Standards
House Committee on Energy & Environmental Protection
Tuesday, February 03, 2015 – State Capitol, Room 325
Page 2

and cost criteria under which such additional renewable power sources would be justified before this measure can be embraced.

Therefore, HIE respectfully opposes House Bill 623, Relating to Renewable Standards.
Thank you for allowing me to testify on this measure.

A handwritten signature in blue ink, appearing to read "Lance", is written over a horizontal line.

EEPttestimony

From: Noel Kent <noelk@hawaii.edu>
Sent: Tuesday, February 03, 2015 10:34 AM
To: EEPttestimony
Subject: House Bill 623

Late

It is imperative for Hawai'i to become as energy self-sufficient as possible. Raising Renewable Portfolio Standards to 70% by 2040 will certainly help to accomplish this. Please support this enlightened piece of legislation. Noel Kent Professor UH Manoa

EEPttestimony

From: cabezolaj001@hawaii.rr.com
Sent: Tuesday, February 03, 2015 3:08 PM
To: EEPttestimony

LATE

Aloha nō;

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need Hawaiian energy independence! Right now, state law targets a mere 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels that come at the whim and fiat of the Islamic terrorism-supporting nations of OPEC or from Cold War throwbacks such as Putin's Russia. Hawai'i DOESN'T NEED them! We can support ALL our energy needs without non-US-produced fossil fuels. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local and sustainable.

A hui hou kakou,
JAMES R. CABEZOLA

EEPtestimony

From: H Ho <hh808hh@gmail.com>
Sent: Tuesday, February 03, 2015 1:16 PM
To: ENETestimony; EEPtestimony
Subject: House Bill 623, Senate Bill 715.

LATE

I support HB 623 and SB 715.
Please pass and get Hawaii on 100% renewable energy.

Heidi Ho
3785 Old Pali Rd
Honolulu, HI 96817

EEPttestimony

From: Judy Mick <ppchawaii@yahoo.com>
Sent: Tuesday, February 03, 2015 3:18 PM
To: EEPttestimony
Subject: H.B. 623

LATE

Aloha - I support HB 623 because Hawaii must become energy independent. As we move towards the amazing and attainable goal of being 100% clean energy , let's keep it local, sustainable, and cost effective. With your vision of a better Hawaii, please pass this bill. Mahalo and aloha, Judy Mick, Kailua.

EEPttestimony

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 03, 2015 11:34 PM
To: EEPtestimony
Cc: teresa.parsons@hawaii.edu
Subject: Submitted testimony for HB623 on Feb 3, 2015 08:30AM

HB623

LATE

Submitted on: 2/3/2015

Testimony for EEP on Feb 3, 2015 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Teresa Parsons	Individual	Support	No

Comments: I am in support of transparency related to public utilities, so I am in support of this Bill.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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